

FORM PTO/SB/08A/B (10-01) Substitute for PTO-1449A/B INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Attorney Docket Number	56183/S307
	Application Number	10/552,483
	Filing Date	October 6, 2005
	Applicant(s)	Glenn Gibson, et al.
	Group Art Unit	1645
	Examiner Name	N/A

U.S. PATENT DOCUMENTS				
EXAMINER INITIALS	Cite No. ¹	DOCUMENT NUMBER Number - Kind Code ² (If Known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE
		4,435,389	03-06-1984	Mutai et al
		4,944,952	07-31-1990	Kobayashi et al
		5,149,640	09-22-1992	Oonishi et al
		5,294,546	03-15-1994	Dombou et al
		US 2002/0086358	07-04-2002	Jorgensen et al

FOREIGN PATENT DOCUMENTS					
EXAMINER INITIALS	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (If Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶ (✓)
		WO 88/08025	10-20-1988	Fleno et al	
		WO 96/06924	03-07-1996	Blareau et al	
		WO 00/46345	08-10-2000	Favier	
		JP7089976	04-04-1995	Snow Brand Milk Prod Co. Ltd.	Derwent Abstract only
		JP3246296	11-01-1991	Snow Brand Milk Prod Co. Ltd.	Derwent Abstract only
		JP3049692	03-04-1991	Yaizu Suisan Kagaku	Derwent Abstract only
		JP3049693	03-04-1991	Yaizu Suisan Kagaku	Derwent Abstract only
		JP62059290	03-14-1987	ZH Ryoshoku Kenkyuk	Derwent Abstract only
		JP10023898	01-27-1998	Meiji Milk Prod Co. Ltd.	Derwent Abstract only
		JP9121853	05-13-1997	Akiba et al	Derwent Abstract only

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		EP 0 438 182	07-24-1991	Prevatt et al	

OTHER DOCUMENTS		
EXAMINER INITIALS	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		P. Moller et al; "Intra- and Extracellular β -Galactosidases from Bifidobacterium bifidum and B. infantis: Molecular Cloning, Heterologous Expression, and Comparative Characterization", Applied and Environmental Microbiology, May 2001, pages 2276-2283
		V. Dumortier et al, "Primary structure of ten galactosides formed by transglycosylation during lactose hydrolysis by Bifidobacterium bifidum"; Carbohydrate Research, 201 (1990), pages 115-123
		J. Paton et al; "Pathogenesis and Diagnosis of Shiga Toxin-Producing Escherichia coli Infections"; Clinical Microbiology Reviews, July 1998, pages 450-479
		K. Karlsson; "Animal Glycosphingolipids as Membrane Attachment Sites for Bacteria"; Annu. Rev. Biochem, 1989, 58: pages 309-50
		E. Olano-Martin et al; "Pectins and Pectic-oligosaccharides inhibit Escherichia coli O157:H7 Shiga toxin as directed towards the human colonic cell line HT29"; FEMS Microbiology Letters 218 (2003), pages 101-105
		T. Sako et al; "Recent progress on research and applications of non-digestible galacto-oligosaccharides"; International Dairy Journal 9 (1999), pages 69-80
		K. Van Laere et al; "Characterization of a Novel β -Galactosidase from Bifidobacterium adolescentis DSM 20083 Active towards Transgalactooligosaccharides", Applied and Environmental Microbiology, April 2000, pages 1379-1384
		S. Zarate et al; "Oligosaccharide Formation During Enzymatic Lactose Hydrolysis: A Literature Review"; Journal of Food Protection, Vol 53, No 3, pages 262-268 (March 1990)
		J.E. Prenosil et al; "Formation of Oligosaccharides during Enzymatic Lactose: Part 1: State of Art"; Biotechnology and Bioengineering, Vol. 30, pages 1019-1025 (1987)
		M. Hung et al; "Molecular and Biochemical Analysis of Two β -Galactosidases from Bifidobacterium infantis HL96"; Applied and Environmental Microbiology, Sept. 2001, pages 4256-4263

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		N. Onishi et al; "Production of Galacto-Oligosaccharide from Lactose by <i>Sterigmatomyces elviae</i> CBS8119", Applied and Environmental Microbiology, Nov. 1995, pages 4022-4025
		G. Gibson; "Bifidobacteria and Oligosaccharides-The Functional Use of Prebiotics"; Positive Nutrition: Functional Foods; IBC Technical Services, London 1995, 34 pages
		G. Gibson; "Prebiotics: New Developments in Functional Foods"; Chandos Publishing, Oxford 2000, 96 pages
		V. Dumortier et al; "Purification and properties of a β -D-galactosidase from <i>Bifidobacterium bifidum</i> exhibiting a transgalactosylation reaction"; Biotechnol. Appl. Biochem. 19, pages 341-354 (1994)
		B. Rabiou et al; "Synthesis and Fermentation Properties and Novel Galacto-Oligosaccharides by β -Galactosidases from <i>Bifidobacterium</i> Species"; Applied and Environmental Microbiology, June 2001, pages 2526-2530
		R. Crittenden; "Prebiotics"; Probiotics: A Critical Review ISBN 1-898486-15-8; 1999 Horizon Scientific Press, Wymondham, U.K., pages 141-156
		R. Tanaka, et al; "Effects of Administration of TOS and <i>Bifidobacterium breve</i> 4006 on the Human Fecal Flora"; Bifidobacteria Microflora, Vol. 2(1), 17-24, 1983
		M. Ito, et al.; "Effects of Administration of Galactooligosaccharides on the Human Faecal Microflora, Stool Weight and Abdominal Sensation; Microbial Ecology in Health and Disease, Vol 3:285-292 (1990).
		M. Ito, et al.; "Effects of Transgalactosylated Disaccharides on the Human Intestinal Microflora and Their Metabolism"; J. Nutr. Sci. Vitaminol., 39, 279-288, 1993.

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